High-level accessibility review – LAA
(Popular Culture in Britain and America Platform)

Primary Point of Contact
Austin Bramhall
Project Manager
Deque Systems, Inc.
Web: www.deque.com
Email: austin.bramhall@deque.com

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Popular Culture in Britain and America Platform

Summary

Top 3 problems for the Popular Culture in Britain and America Platform

This high-level assessment covers limited portions and functionality of the Popular Culture in Britain and America Platform. The assessment revealed issues with assistive technology compatibility, resulting in some users missing information required to perceive and understand content, and to operate functions. It is important to keep in mind that the findings represent a high-level assessment, and do not reflect the results of a Deque Comprehensive Web Assessment.

1. **Name Role Value** – Consistently, when a tab widget is present there are errors in its implementation. These errors can lead to the widget not operating in a manner that users expect.

2. **Contrast** – Many issues exist with contrast of text, contrast of User Interface elements, contrast of focus indicators and contrast of different states (focus / hover). These issues can negatively impact a low-vision user.

3. **Label in Name** – While there have been improvements in the programmatic labeling of controls, some areas do not include the visible text within the programmatic label. Issues of this type can negatively impact sighted users who may rely on voice command/input software to navigate and operate a page – these users rely on being able to dictate the text labels that they observe on-screen.

Comparison to 2021

[Link to previous evaluation]

Project Wide Section
- All previously reported issues remain, except for a 4.1.2 issue regarding the menu items with submenus and expanded/collapsed states, which is fixed

Landing Page Section
- Issues with decorative images still exist
- Issues with programmatic link text and link roles have been fixed

Search Results Section
- Issues with multiple labels are fixed
- Issues with interactive controls nested within other controls still exist
- Issues with malformed DL elements no longer exist
- All contrast issues (text, focus indicators, placeholder content, UI elements without text) still exist
- Issues with pressed/selected/expanded/collapsed states still exist
- Issues with visible label in accessible name are fixed
- Issues with errors in tab widget implementation still exist

Image Landing Page Section
- Issues with list markup are fixed
- Issues with errors in tab widget implementation still exist
- Issues with contrast still exist

Fanzine Landing Page Section
- Issues with list markup are fixed
- Issues with errors in tab widget implementation still exist
- Issues with contrast still exist

Advanced Search Section
- Issues with list markup are fixed
- Issues with duplicated IDs are fixed
- Issues with ARIA menu widget implementation are fixed

**Accessibility findings**

<table>
<thead>
<tr>
<th>Project wide issues</th>
</tr>
</thead>
<tbody>
<tr>
<td>The issues presented in this section were identified in multiple pages and are recorded here to avoid repetition. These are applicable to each screen. Due to particularities, similar issues are still reported on a page per page basis, where applicable.</td>
</tr>
</tbody>
</table>

**Automated findings using Axe**

Issues found through automated testing come from the Axe plugin, an open source accessibility testing tool that is available for Chrome, Firefox and Edge. Details here: [https://www.deque.com/products/axe/](https://www.deque.com/products/axe/).

1. **SC 4.1.2 A** – The linked logo in the header is missing accessible link text.
2. **SC 1.1.1 A** – The ‘Popular Culture in Britain and America, 1950 - 1975’ linked image in the header is missing a descriptive alternate description
3. **SC 1.4.3 AA** – The footer links and white text is low in contrast. A 3.35:1 contrast ratio was observed where a minimum 4.5:1 ratio is required.
4. **SC 2.5.3 A** – The ‘Accept’ control in the cookie notice does not contain its visible label in the accessible name, in the same order as it appears, uninterrupted.
5. **SC 1.4.3 AA** – The white text in the cookie notice is low in contrast. A contrast ratio of 3.99:1 was observed where a minimum 4.5:1 ratio is required.
6. **SC 1.4.3 AA** – The “Learn more” content in the cookie notice is low in contrast. A contrast ratio of 3.09:1 was observed where a minimum 4.5:1 ratio is required.

**Additional manual findings using NVDA screen reader**

1. **SC 1.1.1 A** – The ‘Adam Matthew’ linked image in the footer is missing vital text in its alternate description.
2. **SC 1.4.3 AA** – The top-level navigation is low in contrast on hover and focus. A 3.4:1 contrast ratio is observed.
3. **SC 1.4.11 AA** – The yellow focus indicator is low in contrast against white and light green backgrounds. Against a white background, a 1.3:1 contrast ratio is observed. Against a light green background, a 2.6:1 contrast ratio is observed.
4. **SC 1.4.3 AA** – The ‘Keyboard Shortcuts’ and ‘Skip to main content’ text is low in contrast when the controls become visible. A 2.7:1 contrast ratio is observed.
1. Landing Page

**Source:** https://www-rockandroll-amdigital-co-uk.proxy.lib.umich.edu/

**Test case:** Test initial interface/landing page to ensure menus, sub-menus, search box, images, icons, etc. are accessible.

![Landing Page](image)

**Automated findings using Axe**

1. **SC 2.5.3 A** – The ‘Nature and Scope’, ‘Visual Resources’ and ‘Explore the Documents’ controls do not contain their visible label in the accessible name, in the same order as it appears, uninterrupted.

**Additional manual findings using NVDA screen reader**

1. **SC 1.3.2 A** – The text from each individual card is not announced by or available to Assistive Technology. This is primarily due to a mis-use of `aria-label` to programmatically override an accessible name, resulting in Assistive Tech users missing the necessary context for the affected cards.

2. **SC 4.1.2 A** – The accessible names for the linked images that are associated with each card do not accurately inform a user what kind of content will be found when following the link. For example: “Illustration of Mick Jagger on Rock and Roll periodical front cover” does not inform a user that the associated link will provide further information on the archives and research tools featured in the collection.
2. Search Results

Source: https://www-rockandroll-amdigital-co-uk.proxy.lib.umich.edu/documents?returning=true

Test case: From the initial landing page, conduct a search for: dalek. Test search results page, including filters/refine search (select the theme “Popular Culture, General”) and sort by “Date Ascending”.

Automated findings using Axe

1. **SC 1.3.1 A** – The `<div>` element that contains the ‘Current search criteria’ section and also has the ARIA role of tablist contains nested child semantic elements that are not allowed to be nested within it.
2. **SC 1.3.1 A** – The `<div>` element that contains the filter options and also has the ARIA role of tablist contains nested child semantic elements that are not allowed to be nested within it.
3. **SC 1.4.3 AA** – All green text (#039BA8) on a light grey background (#F3F3F3) is low in contrast. A 3.02:1 contrast ratio was observed where a minimum 4.5:1 ratio is required.
4. **SC 1.4.3 AA** – All green text (#039BA8) on a white background is low in contrast. A 3.35:1 contrast ratio was observed where a minimum 4.5:1 ratio is required.
5. **SC 1.4.3 AA** – All green text (#039BA8) on a light grey background (#F0F2F5) is low in contrast. A 2.99:1 contrast ratio was observed where a minimum 4.5:1 ratio is required.

Additional manual findings using NVDA screen reader

1. **SC 1.4.11 AA** – The yellow focus indicator is low in contrast against light grey backgrounds. A 1.1:1 contrast ratio is observed.
2. **SC 1.4.3 AA** – The ‘DD’ and ‘YYYY’ placeholder text is low in contrast. A 2.3:1 contrast ratio is observed.
3. **SC 1.4.3 AA** – The ‘Apply’ button text is low in contrast on hover and focus. A 2.7:1 contrast ratio is observed.
4. **SC 4.1.2 A** – All buttons in the ‘View’ section do not indicate their pressed / selected state.
5. **SC 4.1.2 A** – The filter subcategories do not programmatically indicate their expanded / collapsed state on page load.
6. **SC 4.1.3 AA** – When a filter or results setting is changed, the ‘loading’ status message is not automatically announced.

7. **SC 1.4.11 AA** – Unchecked filter checkboxes are low in contrast. A 1.2:1 contrast ratio is observed.

8. **SC 4.1.2 A** – Whenever a tab widget is used, there are errors in its implementation. Missing / misused roles and attributes creates a confusing user experience and some expected keyboard interactions are not available.
3. Individual Search Result

**Source:** https://www-rockandroll-amdigital-co-uk.proxy.lib.umich.edu/Documents/Detail/television/11212919?item=11212929

**Test case:** Test individual search result landing page “Television” & test actual document (PDF, video, etc.).

**Automated findings using Axe**

1. **SC 1.3.1 A** – The `<div>` element that is given the ARIA role of tablist contains nested child semantic elements that are not allowed to be nested within it.

2. **SC 1.4.3 AA** – All green text (#039BA8) on a white background is low in contrast. A 3.35:1 contrast ratio was observed where a minimum 4.5:1 ratio is required.

3. **SC 2.5.3 A** – The ‘Browse Images’ control does not contain its visible label in its accessible name, in the same order as it appears, uninterrupted.

4. **SC 4.1.2 A** – The ‘Image Details’ section contains `<span>` elements that are given aria-label attributes, even though this is not well-supported and may not have the intended benefit.

**Additional manual findings using NVDA screen reader**

Not completed due to insufficient time.
5. Advanced Search

Source: https://www-rockandroll-amdigital-co-uk.proxy.lib.umich.edu/advancedsearch

Test case: Test advanced search page

Automated findings using Axe
1. SC 1.3.1 A – The ‘Themes’, ‘Document Type’ and ‘Library / Archive’ accordions-type controls are given the ARIA role of tablist and contain child roles that are not allowed or not a role that is required to be nested.

2. SC 1.4.3 AA – All green text (#039BA8) on a white background is low in contrast. A 3.35:1 contrast ratio was observed where a minimum 4.5:1 ratio is required.

Additional manual findings using NVDA screen reader
Not completed due to insufficient time.